

Response and Amendment  
Application No. 10/769,812  
Filing Date: 02/03/04  
Amdt. dated: 11/15/06  
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**Amendments to the Claims:**

All of the claims are set forth herein with the current status of each noted and the currently amended claims showing the changes made therein. This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (original) A compact loudspeaker and control switch assembly adapted for installation in a partition and adjustment; comprising:

a loudspeaker driver including a diaphragm suspended in a supporting flange structure proximate the driver proximal peripheral edge, said driver diaphragm having a proximal surface and a central axis; said driver further including a motor structure including a magnet and an axially aligned pole piece; and

a control switch connected to said loudspeaker and configured to control a signal passed to the loudspeaker driver; said switch being actuatable using an elongate switch shaft having a proximal end, said shaft passing through said pole piece and said driver diaphragm whereby said shaft proximal end projects proximally beyond said driver diaphragm proximal surface.

2. (original) The compact loudspeaker and control switch assembly of claim 1, wherein said control switch is carried on a distal back plate of said motor structure.

3. (original) The compact loudspeaker and control switch assembly of claim 1, wherein said control switch is configured to control the amplitude of said signal passed to the loudspeaker driver.

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4. (original) The compact loudspeaker and control switch assembly of claim 1, wherein said control switch is configured to control the input power level of said signal passed to the loudspeaker driver.

5. (original) The compact loudspeaker and control switch assembly of claim 4, wherein said control switch is configured to select one transformer tap among a plurality of available taps for controlling said signal passed to the loudspeaker driver.

6. (original) The compact loudspeaker and control switch assembly of claim 1, wherein said control switch shaft proximal end carries an acoustic diffuser.

7. (original) The compact loudspeaker and control switch assembly of claim 6, wherein said acoustic diffuser comprises a radiation uniformity enhancing phase plug.

8. (original) The compact loudspeaker and control switch assembly of claim 1, further including a back can having a central axis that is coaxial with said driver central axis; said back can having a proximal opening adapted to receive said driver, wherein said driver is carried in said back can by the driver supporting flange peripheral edge;

said back can also having a solid side wall and a solid rear wall defining the back can exterior surface and carrying a plurality of electrically conductive connectors;

wherein said driver, said selector switch and a multi-tap transformer are enclosed within said back can;

wherein said switch and said driver are connected with at least one electrical conductor;

wherein said multi-tap transformer and said switch are connected with a plurality of electrical conductors; and

wherein said multi-tap transformer and said electrically conductive connectors are connected with at least one electrical conductor.

9. (original) The compact loudspeaker and control switch assembly of claim 8, wherein said control switch shaft proximal end carries an input power level selector knob.

10. (original) The compact loudspeaker and control switch assembly of claim 9, wherein said control switch is configured to select one transformer tap among a plurality of available taps for controlling said signal passed to the loudspeaker driver.

11. (original) The compact loudspeaker and control switch assembly of claim 8, wherein said electrically conductive connectors comprise four conductive poles aligned in a linear array.

12. (original) The compact loudspeaker and control switch assembly of claim 8, wherein said electrically conductive connectors are carried on a distal portion of said back can exterior surface.

13. (original) The compact loudspeaker and control switch assembly of claim 8, wherein said back can exterior surface includes a proximal outwardly projecting peripheral flange.

14. (original) The compact loudspeaker and control switch assembly of claim 14, wherein said back can exterior surface includes at least one swing-out fastener carried on said back can exterior surface proximate said proximal peripheral flange.

15. - 19. (canceled)

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20. (original) A method for making an adjustable loudspeaker, comprising:

(a) providing a loudspeaker driver having a diaphragm with a proximal surface bounded by a peripheral edge and a distal motor structure including an axially aligned pole

piece having an aperture therethrough,

(b) inserting a switch carrying an elongate shaft having a free end through said pole piece aperture to project proximally beyond said diaphragm proximal surface; and

(c) mounting a manipulable controller input on said shaft free end such that it is supported within said driver peripheral edge and on the proximal side of the driver proximal surface.